

REMARKS

The present amendment restricts the scope of the protection sought.

The cancellation of Claims 15 and 21 renders moot their rejections under 35 U.S.C. 112.

Claims 1-10, 13 and 14 stand rejected under 35 U.S.C. 102(b) as anticipated by Savant et al '221.

Claims 1-14 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Savant et al. '221.

Claims 1-4, 6-10 and 13-14 stand rejected under 35 U.S.C. 102(b) as anticipated by Haarer et al DE 4431823.

Claims 1-4, 6-10 and 13-14 and 20-21 stand rejected under 35 U.S.C. 102(b) as anticipated by Stumpe et al DE 4339862.

Claims 1-4, 6-10, 13-14 and 20-21 stand rejected under 35 U.S.C. 102(b) as anticipated by Berneth et al DE 19703132.

Claims 1-4, 6-10, 13-14 and 20-21 stand rejected under 35 U.S.C. 102(b) as anticipated by Berneth et al WO 98/51721.

Claims 1-10, 13-15 and 20-21 stand rejected under 35 U.S.C. 102(b) as anticipated by Eich et al "Erasable Holograms in Polymeric Liquid Crystals" Makromol.Chem., Rapid Commun., Vol 8, pp 467-471 (1987).

Claims 1-10, 15 and 20-21 stand rejected under 35 U.S.C. 102(b) as anticipated by Ringsdorf et al "Electrooptical effects of Azo containing liquid crystalline copolymers" Makromol.Chem., Vol 185, pp 1326-1335 (1984).

Claims 1-10 and 20-21 stand rejected under 35 U.S.C. 102(b) as anticipated by Hvilstead et al '670.

Claims 1-10, 13-15 and 20-21 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Bieringer et al '846.

Claims 1-15 and 20-21 stand rejected under 35 U.S.C. 103(a) as being unpatentable over either Bieringer et al '846, Hvilstead '670, Ringsdorfer et al "Electrooptical effects of Azo containing liquid crystalline copolymers" Makromol.Chem., Vol 185, pp 1326-1335 (1984), Eich et al "Erasable Holograms in Polymeric Liquid Crystals" Makromol.Chem., Rapid Commun., Vol 8, pp 467-471 (1987), Berneth et al WO 98/51721, Haarer et al DE 4431823, or Stumpe et al DE 4339862 in view of Savant et al '221.


None of the cited documents alone or in any combination of one or more with the others disclose the use for holography of the instant polymers having the recited irradiated thickness and absorption maximum of the $\pi\pi^*$ band. As such it is respectfully asserted that the rejections alleging anticipation are untenable. Similarly, the claims as presently amended are asserted to be unobvious over the art of record, each document alone or in any combination with the other documents.

Reconsideration of the application in view of the present amendment and the withdrawal of the several art-rejections are requested.

The provisional double patenting rejection alleging "same invention" as that of Claims 1-17 of co-pending application No. 09/936114 has been noted. This rejection is proposed to be addressed in due course by the cancellation of conflicting claims, if any then present.

Believing the above represents a complete response to the Office Action and that the application is in condition for allowance, Applicants request the earliest issuance of an indication to this effect.

Respectfully submitted,

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